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PATENT
Docket No. 275.00030103

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s):	Li et al.)	Group Art Unit:	1645
)		
Serial No.:	10/772,661)	Examiner:	Unassigned
Confirmation No.:	5608)		
)		
Filed:	February 5, 2004)		
)		
For:	COMPOSITION AND METHOD FOR IN VIVO AND IN VITRO ATTENUATION OF GENE EXPRESSION USING DOUBLE STRANDED RNA			

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By: David L. Provence
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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 form(s) is respectfully requested. As this patent application was filed after June 30, 2003, copies of the U.S. patents and U.S. patent application publications listed on the attached 1449 form(s) have not been submitted. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 form(s), marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Information Disclosure Statement

Page 2 of 2

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EXPRESSION USING DOUBLE STRANDED RNA

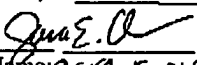
This application is a continuation of U.S. Patent Application Serial No. 10/038,984, filed January 4, 2002, which is a continuation of U.S. Patent Application Serial No. 09/493,301, filed January 28, 2000 (Abandoned). In accordance with 37 C.F.R. §1.98(d), copies of documents previously cited by or submitted to the U.S. Patent and Trademark Office in connection with Applicants' prior application(s) listed above, are not included herewith.

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

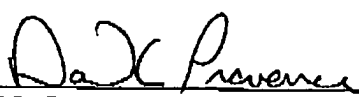
The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

Respectfully submitted for
Li et al.

By
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Name: SARA E. OLSON

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Date

By: 
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Reg. No. 43,022
Direct Dial (612)305-1005

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	Information Disclosure Statement mailed: May <u>7</u> , 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		4,897,355	01/30/90	Eppstein et al.			
		5,107,065	04/21/92	Shewmaker et al.			
		5,264,618	11/23/93	Felgner et al.			
		5,279,833	01/18/94	Rose			
		5,283,184	02/01/94	Jorgensen et al.			
		5,283,185	02/01/94	Epand et al.			
		5,422,241	06/06/95	Goldrick et al.			
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		5,583,021	12/10/96	Dougherty et al.			
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		5,922,602	07/13/99	Kumagai et al.			
		5,932,241	08/03/99	Gorman			
		6,127,170	10/03/00	Boutin			
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		US 2002/0162126 A1	10/31/02	Beach et al.			
		US 2003/0056235 A1	03/20/03	Fire et al.			

EXAMINER	Date Considered
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		US 2003/0051263 A1	03/13/03	Fire et al.			
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		US 2004/0018999 A1	01/29/04	Beach et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		AU 199919380	07/12/99	Australia				
		AU 199929163	10/18/99	Australia				
		DE 101 00586	04/11/02	Germany (incl. English Abstract)				
		EP 0242016	10/21/87	Europe				
		WO 96/20951	07/11/96	PCT				
		WO 97/35965	10/02/97	PCT				
		WO 97/48793	12/24/97	PCT				
		WO 98/05770	02/12/98	PCT				
		WO 98/36083	08/20/98	PCT				
		WO 99/32619	07/01/99	PCT				
		WO 99/38537	08/05/99	PCT				
		WO 99/61631	12/02/99	PCT				
		WO 99/61636	12/02/99	PCT				

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		WO 99/49029	09/30/99	PCT				
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		WO 00/01846	01/13/00	PCT				
		WO 00/44895	08/03/00	PCT (incl. English Abstract)				
		WO 00/44914	08/03/00	PCT				
		WO 00/49035	08/24/00	PCT				
		WO 00/63364	10/26/00	PCT				
		WO 01/29058	04/26/01	PCT				
		WO 01/36646	05/25/01	PCT				
		WO 01/75164	10/11/01	PCT				
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OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
		Alvarado et al., "Double-stranded RNA specifically disrupts gene expression during planarian regeneration," <i>Proc. Natl. Acad. Sci. USA</i> , 1999; 96:5049-5054.
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		Barstead, "Genome-wide RNAi," <i>Curr Opin Chem Biol.</i> , 2001 Feb; 5(1):63-6.

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		Baulcombe, "RNA silencing. Diced defence," <i>Nature</i> , 2001 Jan 18; 409(6818): 295-6.
		Baulcombe, David C., "Gene Silencing: RNA makes RNA makes no protein," <i>Current Biology</i> , 1999;9: R599-R601.
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		Cogoni et al., "Posttranscriptional Gene Silencing in <i>Neurospora</i> by a RecQ DNA Helicase," <i>Science</i> , 17 December 1999;286: 2342-2344.
		Cogoni et al., "Gene silencing in <i>Neurospora crassa</i> requires a protein homologous to RNA-dependent RNA polymerase," <i>Nature</i> , 13 May 1999; 399: 166-169.
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		Gale et al., "Translational Control of Viral Gene Expression in Eukaryotes," <i>Microbiology and Molecular Biology Reviews</i> , June 2000;64: 239-280.
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		Hammond et al., "Post-transcriptional gene silencing by double-stranded RNA," <i>Nat Rev Genet</i> , 2001 Feb; 2(2):110-9.
		Hartmann et al., "Activation of 2'-5' Oligoadenylate Synthetase by Single-stranded and Double-stranded RNA Aptamers," <i>Journal of Biological Chem.</i> , 6 February 1998;273(6): 3236-3246.
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		Jordanov et al., "Activation of NF- κ B by double-stranded RNA (dsRNA) in the absence of protein kinase R and RNase L demonstrates the existence of two separate dsRNA-triggered antiviral programs," <i>Mol Cell Biol.</i> , 2001 Jan; 21(1):61-72.
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		Lau et al., "Embryonic XMAb2112 expression is required for gastrulation and subsequent neural development," <i>Biochem Biophys Res Commun.</i> , 2001 Feb 9; 280(5):1378-84.
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		Misquitta et al., "Targeted disruption of gene function in <i>Drosophila</i> by RNA interference (RNA-i): A role for <i>nautilus</i> in embryonic somatic muscle formation," <i>Proc. Natl Acad. Sci. USA</i> , February 1999;96: 1451-1456.
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	Application Filing Date: February 5, 2004	Group: 1645
	Information Disclosure Statement mailed: May <u>7</u> , 2004	

Examiner Initial	Copy Enclosed	Document Description
		National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus HUMP68A, Accession No. M35663, "Human p68 kinase mRNA, complete cds.," [online]. Bethesda, MD [retrieved on 2003 December 19]. Retrieved from the Internet:<URL:www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=189505&dopt=GenBank&term=M35663&qty=1>; 3 pgs.
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		Van Blokland et al., "Transgene-mediated suppression of chalcone synthase expression in <i>Petunia hybrida</i> results from an increase in RNA turnover," <i>The Plant Journal</i> , 1994;6: 861-877.
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		Wianny et al., "Specific interference with gene function by double-stranded RNA in early mouse development," <i>Nature Cell Biol.</i> , 2:70-75 (available in print February 2000; published electronically December 23, 1999).
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